



# Available Metals Refining

a division of AMR Industries, Inc.

REFINERS OF PRECIOUS METALS

734 East Southern Pacific Drive  
Phoenix, Arizona, U.S.A. 85034

(602) 252-6146  
FAX (602) 252-6815

**Mailing Address:**  
P.O. Box 2711  
Phoenix, Arizona 85002

September 26, 1990

A.D.E.Q.  
Office of Waste Compliance  
Att: Pak Shem  
2005 North Central  
Phoenix, AZ. 85004

Dear Mr. Pak Shem:

As per CFR 30 265.12(a) and WAC 173-303-290(1), we are notifying you of our intent to export our hazardous wastes from the original generator to Available Metals Refining, 734 E. Southern Pacific Dr., Phoenix, AZ. 85034, for treatment, and/or recycling, and/or incineration. (EPA ID #AZT050010362)

Information required by CFR 40, 262.53, "Notification of Intent to Export":

Name, mailing address, telephone number and EPA ID number of the primary exporter:

Prism Systems Lentrionics Division, 7025 Greenwood St., Burnaby B.C., Canada V5A1X7  
(Foreign Generator)

J. Meek Enterprises, 17637 1st Ave., Surrey, British Columbia, Canada V3S4J9  
ID #WAD 981-770-241 (Primary Exporter)

EPA Waste Types, and DOT Shipping Names:  
Cyanide solution N.O.S. Poison B UN1680

Estimated Frequency:

Approximately five times a year for the 1990/91 calendar year after consent has been granted.

Total Estimated Quantity:  
825 gallons

Point of Entry:  
Pacific Highway Crossing

RECEIVED

OCT 23 1990

ADEQ COMPLIANCE

Mr. Pak Shem  
September 26, 1990  
Page 2

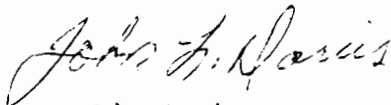
Transportation:  
By truck in 55 U.S. gallon drums or in bulk.

Method of Treatment:  
Chemical and/or physical treatment including but not limited to recycling and incineration.

Consignee:  
A.M.R. Industries  
734 E. Southern Pacific Drive  
Phoenix, AZ. 85034

I hope that this information is sufficient. If you require any additional information, please call (602)252-6146.

Yours Truly,



John Davis  
Plant Manager

JD:CC

cc: Wendy Grieder  
John Meek  
Kathleen Shimon  
Jeff Inglis

FROM: Al Brown Arizona Department of  
Environmental Quality

SECTION/UNIT: \_\_\_\_\_

NAME OF ADDRESSEE: Jim Schultz

OFFICE: Waste Programs

EPA MAIL DROP CODE: H-2-2

COMMENT: \_\_\_\_\_

apparently  
a generator to  
Respond. Find to  
AD&Q - or  
do EPA  
resp.

*a division of AMR Industries, Inc.*

P.O. Box 2711  
Phoenix, Arizona 85002

AUG 22 1989

4CFR0000

Mr. Pak Shem  
August 17, 1989  
Page 2

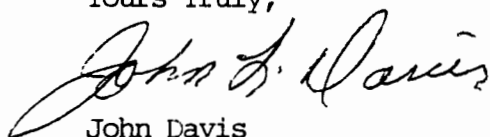
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A.M.R. Industries  
734 E. Southern Pacific Drive  
Phoenix, AZ. 85034

I hope that this information is sufficient. If you require any additional information, please call (602)252-6146.

Yours Truly,



John Davis  
Plant Manager

JD:CC

cc: Wendy Grieder  
John Meek  
Kathleen Shimon  
William Davis

**RECORDS  
SEPARATOR  
PAGE**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

AUG 22 1994

OFFICE OF  
ENFORCEMENT AND  
COMPLIANCE ASSURANCE

**MEMORANDUM**

SUBJECT: Notification of Intent to Import Hazardous Waste from  
Canada into Region 9

FROM: Carolyn Carr (5503) *Carolyn Carr*  
Office of Compliance  
Enforcement Planning, Targeting and Data Division  
Data Management Branch

TO: Tim Sullivan (H-4-1)  
Waste Compliance Branch  
Region 9

Attached, for your designated import staff's review, are notification(s) for intent to import hazardous waste into your Region from Canada. These notification(s) are in accordance with Article 3 (a) (b) of the United States/Canada Agreement concerning Transboundary Movement of Hazardous Waste. **This agreement requires that the United States respond with consent or objection within 30 days from the receipt date indicated on the notification(s), which is the date that the notification is actually received in the Policy and Regional Operations Branch, Operations Management Section.** If your Region decides to object to this import request, you must notify Carolyn Carr at (202) 260-2810 before the 30-day timeframe expires. If you do not notify us of your objection, per the agreement, consent is automatic. We appreciate your attention to this matter and look forward to a timely response.

Notification for Intent to Import

<u>Exporter Name</u>	<u>Origin</u>	<u>EPA #</u>	<u>Destination</u>
Prism Systems Inc.	Burnaby, BC	0446.1-3	Phoenix, AZ

Attachment(s)

cc: Region 9 Coordinator



Recycled/Recyclable  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber

For proposed export or import of hazardous wastes, where Canada is not a country of transit, pursuant to subsection 43(3) of the Canadian Environmental Protection Act / Aux fins d'exportation ou d'importation de déchets dangereux, lorsque le Canada n'est pas un pays de transit, conformément au paragraphe 43(3) de la Loi canadienne sur la protection de l'environnement

EC-446

1 OPTION Indicate the option that applies to your export or import. / Indiquez l'option qui s'applique à l'exportation ou l'importation visée.

☐ Disposal, Part II / Elimination, partie II ☒ Recycling, Part III, Division A / Recyclage, partie III, section A ☐ Recycling, Part III, Division B / Recyclage, partie III, section B ☐ Pre-approved Facility / Recyclage, partie III, section B, paragraphe 16(3) ou 17(3), installation approuvée au préalable

2 EXPORTER OR FOREIGN GENERATOR / EXPORTATEUR OU PRODUCTEUR ÉTRANGER

ID No. from Province or Country: / N° d'identification provincial ou national : BCG01134

Name: / Nom : Prism Systems

Address: / Adresse : 7025 Greenwood Street, Burnaby, B.C., V5A 1X7

Shipping Site Address: / Adresse du site d'envoi : 7025 Greenwood Street, Burnaby, B.C., V5A 1X7

Tel. No.: / N° de tél. : 604 421-8700

Fax No.: / N° de téléc. : 604 421-8707

3 FOREIGN RECEIVER OR IMPORTER / DESTINATAIRE ÉTRANGER OU IMPORTATEUR

Licence or Permit No.: / N° de licence ou de permis : AZT050010362

Name: / Nom : AMR Industries Inc.

Address: / Adresse : P.O. Box 2711, Phoenix, AZ, 85002

Receiving Site Address: / Adresse du site de réception : 734 East Southern Pacific Drive, Phoenix, AZ, 85034

Tel. No.: / N° de tél. : 602 252-6146

Fax No.: / N° de téléc. : 602 252-6815

4 CARRIER / TRANSPORTEUR

Licence or Permit No.: / N° de licence ou de permis : LT0249

Name: / Nom : Laidlaw Environmental Services Ltd.

Address: / Adresse : 7783 Progress Way, Delta, B.C., V4G 1A3

Mode of Transport: / Mode de transport : ☒ Road/Route, ☐ Rail/Rail, ☐ Marine/Mer, ☐ Air/Air

If other carriers, attach a list. / S'il y a d'autres transporteurs, annexe une liste. ☒ Attached ci-jointe

Tel. No.: / N° de tél. : 604 940-0894

Fax No.: / N° de téléc. : 604 940-0890

5 FINAL DESTINATION (IF OPERATION D13, D14, R12 OR R13, OR IF THE IMPORTER IS NOT THE RECYCLER OF THE HAZARDOUS WASTE IN CANADA) / DESTINATION FINALE (DANS LE CAS DES OPÉRATIONS D13, D14, R12 OU R13 OU DANS LE CAS OÙ L'IMPORTATEUR N'EST PAS LE RECYCLEUR DES DÉCHETS DANGEREUX AU CANADA)

Licence or Permit No.: / N° de licence ou de permis :

Name: / Nom :

Address: / Adresse :

Receiving Site Address: / Adresse du site de réception :

Tel. No.: / N° de tél. : ( )

Fax No.: / N° de téléc. : ( )

SHIPPING DETAILS - DÉTAILS SUR LES ENVOIS

6 NUMBER OF EXPORTS OR IMPORTS: / NOMBRE D'EXPORTATIONS OU D'IMPORTATIONS : 1

7 CUSTOMS OFFICES: / BUREAUX DE DOUANE : Blaine, WA

8 FIRST EXPORT OR IMPORT / PREMIÈRE EXPORTATION OU IMPORTATION

Departure: / Départ : Y-A 9, M 4, D-J 05

Arrival: / Arrivée : Y-A 9, M 4, D-J 08

9 TRANSIT COUNTRY (IES) / PAYS DE TRANSIT : Country: N/A, Length of Stay: N/A

10 HAZARDOUS WASTE INFORMATION / RENSEIGNEMENTS SUR LES DÉCHETS DANGEREUX

(a) International Waste Identification Code: / Code international d'identification des déchets :	(b) ID No. set out in Schedule III: / N° d'identification donné à l'annexe III :	(c) TDGR PIN: / NIP du RTMD :	(d) Quantity of Each Waste: / Quantité par déchet :	(e) Packing Group: / Groupe d'emballage :	(f) Packing Type: / Type d'emballage :
1) Q14//R4//P26//C38+10//H6//A830	CR0126	UN1935	6.1 205	<input type="checkbox"/> kg, <input checked="" type="checkbox"/> L	I, 01
2) Q14//R4//P26//C38+10//H6//A830	CR0126	UN1935	6.1 205	<input type="checkbox"/> kg, <input checked="" type="checkbox"/> L	II, 01
3) Q14//R4//P26//C38+10//H6//A830	CR0126	UN1935	6.1 205	<input type="checkbox"/> kg, <input checked="" type="checkbox"/> L	III, 01

11 SPECIAL HANDLING INSTRUCTIONS: / INSTRUCTIONS DE MANUTENTION PARTICULIÈRES : Infotrac ph: 1-800-535-5053

12 UNDERTAKING OF EXPORTER - ENGAGEMENT DE L'EXPORTATEUR

I undertake, where Canada is not a country of transit, under the circumstances set out in subsection 19(1) of the Export and Import of Hazardous Wastes Regulations, to make other arrangements or return the hazardous waste as provided in section 19 of those Regulations. / Je m'engage, lorsque le Canada n'est pas un pays de transit, dans les circonstances visées au paragraphe 19(1) du Règlement sur l'exportation et l'importation des déchets dangereux, à prendre d'autres arrangements ou à renvoyer les déchets dangereux conformément à l'article 19 du règlement.

Name of Exporter: / Nom de l'exportateur : PRISM SYSTEMS INC

Signature: / Signature : [Signature]

Date: / Date : 11-MAY-94

13 CERTIFICATION AND SIGNATURE: / ATTESTATION ET SIGNATURE : I declare that I have personal knowledge of the information in this notice and that it is correct. / Je déclare avoir pris connaissance des renseignements contenus dans le présent préavis et j'atteste qu'ils sont exacts.

Name of Exporter or Importer: / Nom de l'exportateur ou de l'importateur : [Signature]

Signature: / Signature : [Signature]

Date: / Date : May 11/94

Tel. No.: / N° de tél. : (604) 421-8700





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IX

215 Fremont Street  
San Francisco, Ca. 94105

AUG 30 1982

Mr. Dennis Silvers, President  
Available Metals Corporation  
734 East Southern Pacific Drive  
Phoenix, AZ 85034

RE: AZD050010362

Dear Mr. Silvers:

A hazardous waste inspection was recently conducted at your facility. During the course of this inspection, information was gathered by an EPA-authorized contractor in accordance with Section 3007 of the Resource Conservation & Recovery Act (RCRA). A copy of the inspection report is enclosed.

EPA recently awarded RCRA Phase I authorization to the State of Arizona, which now operates this part of the hazardous waste program in lieu of the federal program. I have forwarded a copy of the enclosed inspection report to the Bureau of Waste Control, within the Arizona Department of Health Services, which administers the standards for generators, transporters, and hazardous waste facilities.

Please direct any questions, correspondence, and claims of confidentiality to Mr. Bill Williams, at (602)255-1160. Questions or comments regarding this project or the contractor's performance may also be directed to me, at (415)974-8126. Thank you for your cooperation.

Sincerely yours,

Alexis J. Strauss  
RCRA State Programs Section

Enclosures

cc: Bureau of Waste Control

RCRA GENERATOR INSPECTION REPORT

INSPECTION OF: Available Metals Corporation  
734 East Southern Pacific Drive  
Phoenix, Arizona  
(602) 252-6146  
(EPA ID# AZD050010362)

NATURE OF ACTIVITY: Sell metal scrap; reclaim gold from  
electronic parts

DATE: June 24, 1982

TIME: 9 am - 10 am

PARTICIPANTS: Dennis Silvers, President  
Scott Gorton, EPA Representative  
(A. T. Kearney)

## AVAILABLE METALS CORPORATION

### OVERVIEW:

This inspection report describes Available Metal's activities and explains why the facility may not be covered by the RCRA hazardous waste program. The report also reviews the information provided on the Company's EPA Notification Form.

### FACILITY ACTIVITIES:

Available Metal's primary activity is the collection and resale of scrap metal. They also reclaim gold from scrap electronic parts using electrolysis.

The Company's process for recovering gold consists of several steps. First, the parts are immersed in a cyanide bath to dissolve the gold. The bath is a mixture of sodium cyanide, buffers, and water. The components generally are not cleaned in advance. However, when cleaning is done, the Company simply uses a household detergent and water.

Next, the parts are removed from the cyanide bath and rinsed with water. The rinsate becomes the starter for the next cyanide bath.

The Company then places electrodes in the bath and electrolytically extracts the gold. Gold flakes that accumulate on the cathode are scraped off and melted in a furnace to produce a standard shape. The Company sells the gold forms.

- 1 -

The electrolysis is continued until no more gold can be recovered. At that point, the spent cyanide bath is placed in a trough in the sun for evaporation. Approximately one or two 55-gallon drums of spent solution are produced each week.(1)

Since the residue from evaporation contains gold, the Company melts it in their furnace to produce gold and a small amount of slag. The gold is sold and the slag (contains small amount of gold) is accumulated for later sale to other gold recovery firms.

Used cathodes are immersed in a cyanide solution to remove any gold adhering to their surface. Then they are rinsed and discarded. In the past, the Company has kept its sodium cyanide containers but will triple rinse them in the future. The rinsate will be used as a starter for subsequent plating baths.

In summary, Available Metals Corporation tries to recover gold from all materials in contact with the cyanide bath. It does not appear that they discard any hazardous materials. Thus, the Company may not be subject to regulation under RCRA Subtitle C.

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(1) NOTE: Spent cyanide plating bath solution from the electroplating of precious metals is not a listed waste (see F007 description in 40CFR §261.31)

**RECORDS  
SEPARATOR  
PAGE**



# ARIZONA DEPARTMENT OF HEALTH SERVICES

BRUCE BABBITT, Governor  
LLOYD F. NOVICK, M.D., M.P.H., Director

February 25, 1986  
REF: HW3120

Denis Silvers  
Available Metals Refining Corporation  
P.O. Box 2711  
Phoenix, Arizona 85002

Dear Mr. Silvers:

Further to our telephone conversation, the gold plating cyanide bath solution that you receive from generators for recycling in your closed loop system is not regulated as a hazardous waste (see A.C.R.R. R9-8-1861 (40CFR § 261.31)). At present it does not require manifesting; however when the amendments to the regulations are adopted by the State it will require manifesting. This should be within the next 3 - 6 months (1985, 40CFR § 266.70(b)).

The silica glass slag containing heavy metals and trace gold which is generated by your company and sent to a copper smelter is also not regulated as a hazardous waste if it does not exhibit the characteristics of a hazardous waste.

Sincerely,

Kenneth T. Palmer, Ph.D.  
Environmental Health Specialist  
Waste Compliance Unit  
Office of Waste and Water Quality  
Management

KTP:lp

**RECORDS  
SEPARATOR  
PAGE**

AZT050010362

Date	3-17-89	1301	MARICOPA COUNTY DEPARTMENT OF HEALTH SERVICES
Taken By	EV		ENVIRONMENTAL SERVICES 012312
Premises	So. of Railroad track - Lincoln St. turns into Southern Pacific Available Metal Refining, 734 E. Southern Pacific, PHX		
Complaint	Smoke, odor from Incinerator.		
Report:			
Date Investigated		District 208	By
(Use reverse side for additional details)			
081 0535 R6-85			



Date 1-3-90 2 PM  
MARICOPA COUNTY DEPARTMENT OF HEALTH SERVICES  
ENVIRONMENTAL SERVICES

Taken By Anna P.L.H.  
Premises 734 E. Southern Pacific Drive - PHX 013677

Complaint Strong Chemical odor & Hazy Smoke at  
Available Metals Refining

Report: At 2:52 No VLE or odor noted, Complainant  
gone from site. No sign of activity seen at alleged  
offending property. HFO RKH

Date Investigated 1/2/90 District 208 By 207 RK-H  
(Use reverse side for additional details)

081 0535 R6-85

Date 12-6-89 12:45  
MARICOPA COUNTY DEPARTMENT OF HEALTH SERVICES  
Taken By Marie T Paul G. ENVIRONMENTAL SERVICES 013584  
Premises 734 E Southern Pacific Dr  
Available Metals between 7<sup>th</sup> & 16<sup>th</sup> St.  
Complaint Toxic odors - E Southern Pacific

4PM. Report: No outdoors odors of significance at present  
A M's John Davis, mngr., said he'd used  
incinerator from 10-12 N today for light electronic  
components with paper and ~~for~~ plastic wrappings + ->

Date Investigated 12/6/89 District 208 By 207 RK-H  
(Use reverse side for additional details)



# Maricopa County Department of Health Services

DIVISION OF PUBLIC HEALTH  
Environmental Services

1845 East Roosevelt Street  
Phoenix, Arizona 85006  
(602)258-6381

March 5, 1990

Mr. Ed Isaacs  
Available Metals Refining  
734 E. Southern Pacific  
P.O. Box 2711  
Phoenix, AZ 85002

Re: Incinerator

Dear Ed:

This is to formalize in writing the expectations of the Bureau which were discussed with John Davis and you by phone on March 1 and March 2, respectively.

At least one of the following shall be done by Available Metals by March 30, 1990.

1. Have a stack test protocol submitted to the Bureau with maximum burn loadings desired by your company incorporated in test design.
2. Submit application for an Installation Permit for a scrubber suitably sized to the maximum rates at which you desire to burn.
3. Permanently discontinue use of incinerator until such time as steps 1 or 2 above are accomplished and Bureau permission to resume operation is granted.

As we discussed, if a scrubber is installed and operating, and verified complainants of objectionable odor are received, then a stack test may be requested by the Bureau. We are especially concerned that there <sup>are</sup> no detectable levels of cyanides, cyanates, isocyanates or polycyclic aromatic compounds such as PCB's. We also expected that corrosive emissions will be scrubbed to low enough levels to be harmless and non-irritating.

Sincerely,

Richard Kramer-Howe, MPH, Air Quality Control Investigator II  
Bureau of Air Pollution Control

3:5:90rk/mf



## *1988 Calculation of Emissions*

2. Available Metals Refining  
(3) Remelt furnaces, baghouse  
Particulate emission factor:  
Particulate emissions:

5 ton/year of scrap copper  
0.4 lb/ton (21 x .02)  
 $0.4 \times \frac{5}{2000} = \text{Negligible}$



# Maricopa County Department of Health Services

DIVISION OF PUBLIC HEALTH  
Environmental Services

1845 East Roosevelt Street  
Phoenix, Arizona 85006  
(602)258-6381

May 16, 1989

Mr. Ed Issacs  
Mr. John Davis  
Available Metals Refining *REKIS*  
734 E. Southern Pacific  
P.O. Box 2711  
Phoenix, AZ 85002

*Issacs*  
Dear Mr. ~~Davis~~:

Thank you for your time and effort in providing Mr. Lotwala and myself a tour of your facility. As you are aware, there are several points within your facility from which air pollutants may be emitted into the atmosphere. The controls on these emission points are adequately reducing the visible emissions.

Our current concern is that one of those emission points may lack adequate controls for non-visible air pollutants. The incinerator has no controls for gaseous air pollutants.

We have decided there are two viable solutions to this matter:

1. To have the company conduct stack tests to determine what air pollutants are being emitted from the incinerator and in what amounts. Once the tests are completed, we can then determine what controls may be required.
2. To have the company install a wet scrubber system to the incinerator exhaust, as we believe that a wet scrubber would reduce emissions to levels which would not require the stack testing at this time.

We would appreciate your response by submitting your plans to our office for review by June 15, 1989. Please contact the Bureau if you have any further questions (258-6381, Ext. 372).

Sincerely,

*J. Loner*  
(Ms.) Jayce Petticrew  
Air Quality Control Investigator  
Bureau of Air Pollution Control

ENG3:69:mm

*6/2/89*  
*Called Mr. Issacs + told him to submit plans for shredder + possibly a new incinerator. He said he will get this written up + mailed in right away.*

*JMP*



"New Horizons In Health Care"

REQUEST FOR CHANGE

PERMIT #

A8900646

EFFECTIVE DATE:

11/7/81

BUSINESS NAME:

Available Metals Inc

REASON FOR CHANGE:

change in business name

CHANGES TO BE MADE:

Available Metals Refining

REQUESTED BY

RN

DATE COMPLETED:

BY:

CLOSEOUT INSPECTION MUST BE PERFORMED BY THE INVESTIGATOR BEFORE CLOSEOUT COMPLETED (IF ORIGINATED IN OFFICE) CLERICAL STAFF WILL COMPLETE ON ALL CHANGES ORIGINATING IN OFFICE (PHONE CALLS, PERMIT APPLICATIONS ETC) AND ATTACH TO CURRENT FILE.

REQUEST FOR CLOSE OUT

PERMIT #

EFFECTIVE DATE:

\_\_\_/\_\_\_/\_\_\_

BUSINESS NAME:

REASON FOR CLOSE OUT:

SOURCES TO BE CLOSED:

CLOSE OUT REQUEST BY:

INSP#

DATE COMPLETED:

BY:

CLOSEOUT INSPECTION MUST BE PERFORMED BY THE INVESTIGATOR BEFORE CLOSEOUT COMPLETED (IF ORIGINATED IN OFFICE) CLERICAL STAFF WILL COMPLETE ON ALL CHANGES ORIGINATING IN OFFICE (PHONE CALLS, PERMIT APPLICATIONS ETC) AND ATTACH TO CURRENT FILE.



# Maricopa County Department of Health Services

DIVISION OF PUBLIC HEALTH  
Environmental Services

1845 East Roosevelt Street  
Phoenix, Arizona 85006  
(602)258-6381

August 23, 1989

AMR Industries, Inc.  
Available Metals Refining  
P. O. Box 2711  
Phoenix, AZ 85002

RE: **Installation Permit - Other**  
734 East Southern Pacific Drive  
Phoenix, AZ

Dear Sir:


Review of your application for an installation permit has been completed. Information contained in the application indicates emissions from your operation have the potential to meet the standards set by this Department.

Enclosed is your installation permit which will remain in effect no longer than two (2) years, or until an operating permit is granted or denied, or the application is cancelled. An installation permit is not intended to permit or allow the installation, operation or maintenance of a facility in violation or contravention of any fire department, building department or other governmental agency having jurisdiction.

An on-site inspection must precede application for the required annually renewable operating permit. Therefore, please notify the Bureau at (602) 258-6381 when the facility is operational.

Your cooperation in helping to achieve air quality goals adequate to protect the health and welfare of the citizens of Maricopa County is appreciated.

Sincerely,

  
Lawrence M. Crisafulli  
Public Health Engineer  
Bureau of Air Pollution Control

LMC:rt



(OFFICE)

(VALIDATION)

MARICOPA COUNTY DEPARTMENT OF HEALTH SERVICES  
DIVISION OF PUBLIC HEALTH  
**REVENUE RECEIPT**

**A 340148**

NAME: Available Metals Refining

AMOUNT: \$ 38.00

☐ CASH

☒ CHECK 0001137 Check No.

fund      source

ENVIRONMENTAL HEALTH

532 ☐ ESTABLISHMENTS

532 ☐ PLAN REVIEW

532 ☐ FOOD HANDLERS

fund      source

532 ☐ ENGINEERING

504 ☒ AIR POLLUTION

532 ☐ X-RAY

A 9360010  
08-24-89  
COMMENTS

Installation

A8900526

P

12-48

\$58.0000

(DATE)

8/22/89

ST

(SIGNATURE)



# PERMIT APPLICATION

\*\*\*\*\*  
 \*  
 \* MARICOPA COUNTY DEPARTMENT OF HEALTH SERVICES \*  
 \* ENVIRONMENTAL SERVICES \*  
 \* P. O. Box 2111 \*  
 \* PHOENIX, AZ 85001 \*  
 \* BUREAU OF AIR POLLUTION CONTROL 258-6381 \*  
 \*  
 \*\*\*\*\*

*mm*

08

AMR INDUSTRIES INC INSTALLATION  
 AVAILABLE METALS REFINING OTHER  
 P O BOX 2711  
 PHOENIX AZ 85002

734 E SOUTHERN PACIFIC DR PX

This application no. A8900526 is for an installation permit.  
 Please check the information shown above, enter any changes in the space  
 allocated, sign this application and return it to the above address with  
 payment in the amount of \$38.00 .

This application, properly executed and accompanied by the correct fee  
 (\$38.00 ), must be received by 8-Sep-1989. There is a penalty for late  
 payment of fees, and you will be subject to legal action if this application  
 and proper fees are not received by the date due.

=====  
 Enter Corrections (if any) Below  
 =====

Owner Name/Mgmt Co: \_\_\_\_\_

Business Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Business Phone: \_\_\_\_\_ Home Phone: \_\_\_\_\_

I/We assume complete responsibility for the business to be conducted at the  
 premises for which I/We are making application for an operating permit.  
 I/We certify that the said business at the premises will be operated in full  
 compliance with all applicable environmental regulations duly adopted and all  
 other Local, County and State Rules, Ordinances and Regulations pertaining  
 thereto. I/We understand that I/We are responsible for knowing the contents  
 of the applicable regulations as they pertain to said business.  
 COPY OF APPLICABLE REGULATIONS AVAILABLE AT ENVIRONMENTAL SERVICES OFFICE AT  
 1845 E ROOSEVELT, PHOENIX

SIGN APPLICATION HERE

*[Signature]*

DATE *8/16/89*



# Available Metals Refining

a division of AMR Industries, Inc.

## REFINERS OF PRECIOUS METALS

734 East Southern Pacific Drive  
Phoenix, Arizona, U.S.A. 85034

(602) 252-6146  
FAX (602) 252-6815

**Mailing Address:**  
P.O. Box 2711  
Phoenix, Arizona 85002

June 8, 1989

Maricopa County Health Services  
Bureau of Air Pollution Control  
Att: Janice Petticrew  
1845 E. Roosevelt  
Phoenix, AZ. 85006

Dear Ms. Petticrew:

Per your request regarding your May 16, 1989, correspondence. We are requesting an extension to submit a proposal to you.

We are in the process of installing a new non-burn process for which we are applying for a permit. We are planning to have this new process ready for operation by July 31, 1989. We would like to operate this process for 30 to 60 days to develop a feel for the true capacity of this process. Having this critical information will give us data to better plan for our thermal reduction equipment need. We are very optimistic this new process will reduce our need for thermal reduction substantially.

We are requesting an extension to submit a proposal in response to your May 16, 1989 letter from June 15, 1989, to September 15, 1989. Since our goal is to reduce the need for thermal reduction as much as we can. We will then be able to submit a more definite proposal.

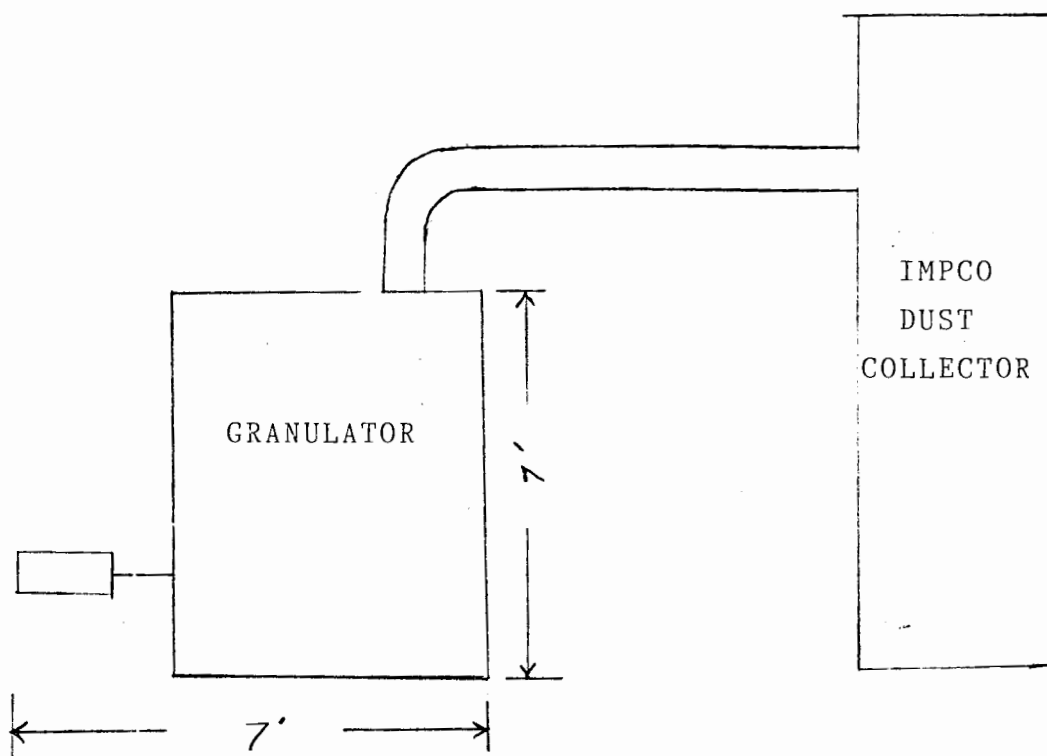
Sincerely,

Ed Isaac

cc: John Davis

EI:CC





A.M.R. Industries, Inc./Available Metals Refining  
GRANULATING PROCESSOR

REQUEST FOR CHANGE

PERMIT # \_\_\_\_\_ EFFECTIVE DATE: \_\_\_\_/\_\_\_\_/\_\_\_\_

BUSINESS NAME: \_\_\_\_\_

REASON FOR CHANGE: \_\_\_\_\_

CHANGES TO BE MADE: \_\_\_\_\_

REQUESTED BY \_\_\_\_\_

DATE COMPLETED: \_\_\_\_\_ BY: \_\_\_\_\_

CLOSEOUT INSPECTION MUST BE PERFORMED BY THE INVESTIGATOR BEFORE CLOSEOUT COMPLETED (IF ORIGINATED IN OFFICE) CLERICAL STAFF WILL COMPLETE ON ALL CHANGES ORIGINATING IN OFFICE (PHONE CALLS, PERMIT APPLICATIONS ETC) AND ATTACH TO CURRENT FILE.

REQUEST FOR CLOSE OUT

PERMIT # A 89 00526 EFFECTIVE DATE: 8/24/89

BUSINESS NAME: Available Metals Refining

REASON FOR CLOSE OUT: Installation Complete

SOURCES TO BE CLOSED: All

CLOSE OUT REQUEST BY: Janice Patterson INSP# 218

DATE COMPLETED: \_\_\_\_\_ BY: \_\_\_\_\_

CLOSEOUT INSPECTION MUST BE PERFORMED BY THE INVESTIGATOR BEFORE CLOSEOUT COMPLETED (IF ORIGINATED IN OFFICE) CLERICAL STAFF WILL COMPLETE ON ALL CHANGES ORIGINATING IN OFFICE (PHONE CALLS, PERMIT APPLICATIONS ETC) AND ATTACH TO CURRENT FILE.

MARICOPA COUNTY DEPARTMENT OF HEALTH SERVICES  
ENVIRONMENTAL SERVICES  
P.O. BOX 2111  
PHOENIX, ARIZONA 85001  
BUREAU OF AIR POLLUTION CONTROL

# PERMIT TO OPERATE

A8900526

PERMIT NUMBER

INSTALLATION

OTHER

TYPE OF PERMIT

ANNUAL  
OPERATING

734 E SOUTHERN PACIFIC DR  
PHOENIX

ADDRESS OF PREMISES

08

AMR INDUSTRIES INC  
AVAILABLE METALS REFINING  
P O BOX 2711  
PHOENIX, AZ 85002

EXPIRATION DATE

30-Aug-1991

\$ \$38.00

PERMIT FEE

THE ABOVE NAMED PERSON SHALL OPERATE THE BUSINESS AT THE PREMISES IN COMPLIANCE WITH THE ENVIRONMENTAL REGULATIONS DULY ADOPTED BY BOARD OF HEALTH AND THE BOARD OF SUPERVISORS OF MARICOPA COUNTY AND THE LAWS OF THE STATE OF ARIZONA. THIS PERMIT IS REVOCABLE BY THE HEALTH DIRECTOR OF MARICOPA COUNTY FOR THE FAILURE ON THE PART OF THE PERMITTEE TO OPERATE IN COMPLIANCE WITH SUCH REQUIREMENTS. THIS PERMIT IS VALID UNTIL DATE OF EXPIRATION STATED ABOVE. THE ISSUANCE OF THIS PERMIT DOES NOT WARRANT THAT THE BUSINESS IS BEING MAINTAINED IN COMPLIANCE WITH THE ABOVE CITED REGULATIONS.

COPY OF APPLICABLE REGULATIONS AVAILABLE AT ENVIRONMENTAL SERVICES OFFICE AT 1845 E. ROOSEVELT, PHOENIX

081 2100 R 1-85

THIS PERMIT IS NOT TRANSFERABLE AND MUST BE POSTED IN A CONSPICUOUS PLACE

## ANNUAL OPERATING PERMIT PROFILE

Existing

Permit Number: \_\_\_\_\_

NEW

PERMIT NUMBER: \_\_\_\_\_

8900526

BUSINESS NAME: \_\_\_\_\_

STREET: \_\_\_\_\_

CITY: \_\_\_\_\_ PHONE: \_\_\_\_\_

SITE LOCATION: \_\_\_\_\_

OWNER NAME: \_\_\_\_\_

STREET: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

PHONE: \_\_\_\_\_ EXPIRATION DATE: \_\_\_\_\_

CDS: \_\_\_\_\_ PERMIT UNIT NAME: \_\_\_\_\_ SOURCE CATEGORY: \_\_\_\_\_

DIST: \_\_\_\_\_ PERMIT FEE: \_\_\_\_\_ INSPECTION DATE: \_\_\_\_\_

☐ RENEWAL/EXISTING☐ NEW/CHANGE OWNER☐ INSTALLATION

:PAAP

:PNAP

:PIAP (Expires in 2 Yrs)

## EQUIPMENT DESCRIPTION

## NON ELECTRICAL EQUIPMENT INVENTORY

1) NUMBER OF UNITS: _____	TYPE: _____	2) NUMBER OF UNITS: _____	TYPE: _____
3) NUMBER OF UNITS: _____	TYPE: _____	4) NUMBER OF UNITS: _____	TYPE: _____
5) NUMBER OF UNITS: _____	TYPE: _____	6) NUMBER OF UNITS: _____	TYPE: _____
7) NUMBER OF UNITS: _____	TYPE: _____	8) NUMBER OF UNITS: _____	TYPE: _____

## RAW MATERIALS IN PROCESS

1) TYPE: _____	AMT: _____	MEAS: _____	CONT: _____
2) TYPE: _____	AMT: _____	MEAS: _____	CTRL: _____
3) TYPE: _____	AMT: _____	MEAS: _____	CTRL: _____
4) TYPE: _____	AMT: _____	MEAS: _____	CTRL: _____
5) TYPE: _____	AMT: _____	MEAS: _____	CTRL: _____
6) TYPE: _____	AMT: _____	MEAS: _____	CTRL: _____
7) TYPE: _____	AMT: _____	MEAS: _____	CTRL: _____
8) TYPE: _____	AMT: _____	MEAS: _____	CTRL: _____

## ELECTRICAL EQUIPMENT INVENTORY

1) EQUIPMENT DESCRIPTION: _____	2) EQUIPMENT DESCRIPTION: _____
3) EQUIPMENT DESCRIPTION: _____	4) EQUIPMENT DESCRIPTION: _____
5) EQUIPMENT DESCRIPTION: _____	6) EQUIPMENT DESCRIPTION: _____
7) EQUIPMENT DESCRIPTION: _____	8) EQUIPMENT DESCRIPTION: _____

## COMMENTS







# Available Metals Refining

a division of AMR Industries, Inc.

RECEIVED  
JUN 12 1989  
Ans'd... 98.....

## REFINERS OF PRECIOUS METALS

734 East Southern Pacific Drive  
Phoenix, Arizona, U.S.A. 85034

(602) 252-6146  
FAX (602) 252-6815

Mailing Address:  
P.O. Box 2711  
Phoenix, Arizona 85002

June 8, 1989

Maricopa County Department of Health Services  
Bureau of Air Pollution Control  
Permit Processing Section  
1845 East Roosevelt Street  
Phoenix, AZ. 85006

Subject: Installation Permit

We are scheduling to put a granulator process into operation effective July 31, 1989.

- I. a) Business name, dba/Available Metals Refining/AMR Industries, Inc.  
b) Statuary Agent: Ed Isaac  
c) Ed Isaac, P.O. Box 2711, Phoenix, AZ. 85002 (602-252-6146)  
d) Completion Date: July 31, 1989  
e) Corporation  
f) Existing piece of equipment never issued a permit  
g) Processor of precious metals
- II. Description of Facility
  - a) 734 E. Southern Pacific Drive, Phoenix, AZ. 85034
  - b) attached
- III. Equipment and Process Description
  - a) Granulation
  - b) Normal working shifts (8 hours per shift, 5 days per week, 48 weeks per year)
  - c) Granulator by Robert Mill Manufacturing Company, Model #3600, Serial # 761, Dimension (3'x7'x7'), 30 Horsepower, Drawing attached.
  - d) Maximum production rate is approximately 48,000 Lbs. per month; 300 Lbs. per hour; 2,400 Lbs. per day.

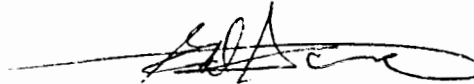
Bureau of Air Pollution Control  
Permit Processing Section  
June 8, 1989  
Page 2

IV. Control Equipment and Information

- a) Impco Partifuge Collecting Unit
- b) 8" duct
- c) 100%
- d) Press start button
- e) 24" above ground
- f) 1400 CFM
- g) Square D start control station
- h) Dust collector with special design hood to minimize any fugitive dust.

- V. N/A
- VI. N/A
- VII. N/A
- VIII. N/A
- IX. N/A
- X. N/A

Sincerely,



Ed Isaac  
A.M.R. Industries, Inc.

EI:CC

BUSINESS

AVAILABLE METALS REFINING  
734 E SOUTHERN PACIFIC  
PHOENIX  
252-6146

PERMIT NO: 8601340

DISTRICT: 08

FILE: 18.3.0.C  
INSPECTION DATE: 22-Jan-1989  
3/20/89  
EXPIRATION DATE: 30-Mar-1989

OWNER/MANAGEMENT

AMR INDUSTRIES INC -  
P O BOX 2711  
PHOENIX AZ 85002  
602-252-6146

CDR: N

Source 1: INCINERATOR  
Source 2: FLY ASH - IND  
Source 3: OTHER  
Source 4:

PERMIT UNIT NAME: MULTIPLE UNITS  
SITE LOCATION: A01030900

FACILITY DESCRIPTION

Qty	Type
1	27 to 49.9 SQ FT INCINERATOR
1	MISCELLANEOUS EQUIPMENT
2	500,000 to 999,999 BTU/HR GAS FUEL BURNING EQPT.
3	1,000,000 to 1,999,999 BTU/HR GAS FUEL BURNING EQPT.

>>> MATERIAL(S) IN PROCESS <<<<<

Type	Amount	Meas.	Control Type
Scrap Metal	1	Ton	Baghouse
Scrap Metal	1	Ton	Encl
Natural Gas	1	Therms	Maintenance

Comments:

1. 1C - RA - 200, 300, 2L3

(complete 1. before going to 2.)

2.

APR 03 ENT

# INSPECTION REPORT

## BUSINESS

AVAILABLE METALS REFINING  
734 E SOUTHERN PACIFIC  
PHOENIX

252-6146

SITE LOCATION: A01030900

SITE LOCATION

PERMIT NO: 8601343

DISTRICT: 08 1 1 1

PERMIT FEE: \$431.00

PREVIOUS INSPECTION DATE: 13-Mar-1987

CURRENT INSPECTION DATE: 11-22-88

EXPIRATION DATE: 30-Mar-1988

## OWNER/MANAGEMENT

AMR INDUSTRIES INC  
PHOENIX AZ 85002

P O BOX 2711  
602-252-6146

CDS: N

PERMIT UNIT NAME: MULTIPLE UNITS

Source 1: INCINERATOR

Source 3: OTHER

Source 2: FUEL BURN-IND

Source 4:

## EQUIPMENT DESCRIPTION

### NON ELECTRICAL EQUIPMENT INVENTORY

1) NUMBER OF UNITS:	TYPE:	2) NUMBER OF UNITS:	TYPE:
3) NUMBER OF UNITS:	TYPE:	4) NUMBER OF UNITS:	TYPE:
5) NUMBER OF UNITS:	TYPE:	6) NUMBER OF UNITS:	TYPE:
7) NUMBER OF UNITS:	TYPE:	8) NUMBER OF UNITS:	TYPE:

### RAW MATERIALS IN PROCESS

TYPE	AMT	MEAS	CONT
1) TYPE:	AMT:	MEAS:	CONT:
2) TYPE:	AMT:	MEAS:	CONT:
3) TYPE:	AMT:	MEAS:	CONT:
4) TYPE:	AMT:	MEAS:	CONT:
5) TYPE:	AMT:	MEAS:	CONT:
6) TYPE:	AMT:	MEAS:	CONT:
7) TYPE:	AMT:	MEAS:	CONT:
8) TYPE:	AMT:	MEAS:	CONT:

### ELECTRICAL EQUIPMENT INVENTORY

1) EQUIPMENT DESCRIPTION:	2) EQUIPMENT DESCRIPTION:
3) EQUIPMENT DESCRIPTION:	4) EQUIPMENT DESCRIPTION:
5) EQUIPMENT DESCRIPTION:	6) EQUIPMENT DESCRIPTION:
7) EQUIPMENT DESCRIPTION:	8) EQUIPMENT DESCRIPTION:

## COMMENTS

*[Handwritten signature]*

# INSPECTION REPORT

*Must*

## BUSINESS

AVAILABLE METALS REFINING

734 E SOUTHERN PACIFIC

PHOENIX

252-6146

SITE LOCATION:

SITE LOCATION *A01101310910101*

PERMIT NO: 8601343

DISTRICT: 08-1-1-1

*1-14311-1010* PERMIT FEE: \$360.00

PREVIOUS INSPECTION DATE: 28-Mar-1986

CURRENT INSPECTION DATE: *1-3-13-87*

EXPIRATION DATE: 30-Mar-1987

## OWNER/MANAGEMENT

AMR INDUSTRIES INC

PHOENIX AZ 85034

734 E SOUTHERN PACIFIC

602-252-6146

CDS: N

PERMIT UNIT NAME: MULTIPLE UNITS

Source 1: INCINERATOR

Source 3: OTHER

Source 2: FUEL BURN-IND

Source 4:

## EQUIPMENT DESCRIPTION

### NON ELECTRICAL EQUIPMENT INVENTORY

1) NUMBER OF UNITS: <i>1</i>	TYPE: <i>34</i>	2) NUMBER OF UNITS: <i>1</i>	TYPE: <i>71</i>
3) NUMBER OF UNITS: <i>2</i>	TYPE: <i>21</i>	4) NUMBER OF UNITS: <i>3</i>	TYPE: <i>22</i>
5) NUMBER OF UNITS: <i>1</i>	TYPE: <i>1</i>	6) NUMBER OF UNITS: <i>1</i>	TYPE: <i>1</i>
7) NUMBER OF UNITS: <i>1</i>	TYPE: <i>1</i>	8) NUMBER OF UNITS: <i>1</i>	TYPE: <i>1</i>

### RAW MATERIALS IN PROCESS

*1) TYPE: <i>SM</i>	AMT: <i>4</i>	MEAS: <i>T</i>	CONT: <i>PA</i>
*2) TYPE: <i>SM</i>	AMT: <i>2</i>	MEAS: <i>T</i>	CTRL: <i>EW</i>
3) TYPE: <i>12G</i>	AMT: <i>20</i>	MEAS: <i>12</i>	CTRL: <i>MA</i>
4) TYPE: <i>12G</i>	AMT: <i>0</i>	MEAS: <i>12</i>	CTRL: <i>MA</i>
5) TYPE: <i>12G</i>	AMT: <i>0</i>	MEAS: <i>12</i>	CTRL: <i>MA</i>
6) TYPE: <i>12G</i>	AMT: <i>0</i>	MEAS: <i>12</i>	CTRL: <i>MA</i>
7) TYPE: <i>12G</i>	AMT: <i>0</i>	MEAS: <i>12</i>	CTRL: <i>MA</i>
8) TYPE: <i>12G</i>	AMT: <i>0</i>	MEAS: <i>12</i>	CTRL: <i>MA</i>

### ELECTRICAL EQUIPMENT INVENTORY

1) EQUIPMENT DESCRIPTION: <i>1</i>	2) EQUIPMENT DESCRIPTION: <i>1</i>
3) EQUIPMENT DESCRIPTION: <i>1</i>	4) EQUIPMENT DESCRIPTION: <i>1</i>
5) EQUIPMENT DESCRIPTION: <i>1</i>	6) EQUIPMENT DESCRIPTION: <i>1</i>
7) EQUIPMENT DESCRIPTION: <i>1</i>	8) EQUIPMENT DESCRIPTION: <i>1</i>

### COMMENTS

\*1 - SM FROM INCINERATOR  
 \*2 - SM FROM MILLING/SCREENING

*H. Wells*

## MARICOPA COUNTY HEALTH DEPARTMENT -- BUREAU OF AIR POLLUTION CONTROL

AVAILABLE METALS REFINING CORP

MAILING  
ADDRESS

734 E. SOUTHERN PACIFIC, PHX. 85034

PREMISE  
ADDRESS

734 E. SOUTHERN PACIFIC, PEX. 85034

R SAME PHONE 252-6146

REFUSE BRNG. EQUIP INCINERATOR

SOLDER RECLAIMING ( INDUST PROC )

[illegible][illegible]

[illegible][illegible]



MARICOPA COUNTY HEALTH DEPARTMENT  
BUREAU OF AIR POLLUTION

OPACITY READINGS

Company Name AVAILABLE METALS REFINING CORP.

Company Address 734 E. SOUTHERN PACIFIC

Date 3-29-84 Time 10:55 <sup>PM</sup> Wind: N E S W Wind Velocity CALM mph

Point of Observation ~40' NE OF STACK Weather CLEAR

Observed by J. GUILD Engr. \_\_\_\_\_ Insp. \_\_\_\_\_

Equipment Observed INCINERATOR STACK Distance ~40'

TIME	O/D	COLOR	TIME	O/D	COLOR	TIME	O/D	COLOR	TIME	O/D	COLOR	TIME	O/D	COLOR
10:55	15	White	11:00	0	—									
(UNLOADING INC.)	$\frac{1}{4}$	20	"	$\frac{1}{4}$	0	"	$\frac{1}{4}$		$\frac{1}{4}$			$\frac{1}{4}$		
	$\frac{1}{2}$	10	"	$\frac{1}{2}$	0	"	$\frac{1}{2}$		$\frac{1}{2}$			$\frac{1}{2}$		
	$\frac{3}{4}$	10	"	$\frac{3}{4}$	0	"	$\frac{3}{4}$		$\frac{3}{4}$			$\frac{3}{4}$		
10:56	0	—	11:01	0	"									
	$\frac{1}{4}$	0	"	$\frac{1}{4}$	0	"	$\frac{1}{4}$		$\frac{1}{4}$			$\frac{1}{4}$		
	$\frac{1}{2}$	0	"	$\frac{1}{2}$	0	"	$\frac{1}{2}$		$\frac{1}{2}$			$\frac{1}{2}$		
	$\frac{3}{4}$	0	"	$\frac{3}{4}$	0	"	$\frac{3}{4}$		$\frac{3}{4}$			$\frac{3}{4}$		
10:57	0	"	11:02	0	"									
	$\frac{1}{4}$	0	"	$\frac{1}{4}$	0	"	$\frac{1}{4}$		$\frac{1}{4}$			$\frac{1}{4}$		
	$\frac{1}{2}$	0	"	$\frac{1}{2}$	0	"	$\frac{1}{2}$		$\frac{1}{2}$			$\frac{1}{2}$		
	$\frac{3}{4}$	0	"	$\frac{3}{4}$	0	"	$\frac{3}{4}$		$\frac{3}{4}$			$\frac{3}{4}$		
10:58	0	"												
	$\frac{1}{4}$	0	"	$\frac{1}{4}$			$\frac{1}{4}$		$\frac{1}{4}$			$\frac{1}{4}$		
	$\frac{1}{2}$	0	"	$\frac{1}{2}$			$\frac{1}{2}$		$\frac{1}{2}$			$\frac{1}{2}$		
	$\frac{3}{4}$	0	"	$\frac{3}{4}$			$\frac{3}{4}$		$\frac{3}{4}$			$\frac{3}{4}$		
10:59	0	"												
	$\frac{1}{4}$	0	"	$\frac{1}{4}$			$\frac{1}{4}$		$\frac{1}{4}$			$\frac{1}{4}$		
	$\frac{1}{2}$	0	"	$\frac{1}{2}$			$\frac{1}{2}$		$\frac{1}{2}$			$\frac{1}{2}$		
	$\frac{3}{4}$	0	"	$\frac{3}{4}$			$\frac{3}{4}$		$\frac{3}{4}$			$\frac{3}{4}$		



## HAZARDOUS WASTE COMPLAINTS, INCIDENTS, REFERRALS

FILE NUMBER 89-035DATE 12/6/88 TIME 1:38 p RECEIVED BY G. Slusser ERUINFORMER'S NAME Gary SmithADDRESS A2 Corp Comm CITY \_\_\_\_\_ PHONE 542-3316REFERRED BY Karen Hubbard AGENCY A Div Em. Svcs PHONE 231-6242NAME OF SITE/OPERATOR Available Metal RefineryADDRESS 734 Southern Pacific Drive (7th St & Lincoln area) PHONE \_\_\_\_\_

## COMPLAINT

Southern Pacific employees @ 9th St switch yard are complaining of headaches & nausea; coming from this facility is dense ~~smoke~~ smoke & solvents smells. Company has been contacted by SP - SP was told company is recycling microchips. SP referred to A2 Corp Comm.

\* during observation of site by inspectors. Visible, white fumes from northern most process building Available Metals. last inspected 2/11/86 by HWI/ADEQ

DISPOSITION In Canyon Industries Government Innovators, Chemours complex visited ~ 2:30 pm 12/6/88 fumes <sup>reported</sup> from metal baths etc & large incinerator - fumes reported worse at night. Also fumes from dump truck painting (Canyon Industries) reported bad at night. Reported by 9th St & RR SP check workers ~ 46 people. Work till 10:30 pm Max Stevens 997-9241 SP Union steward. Stroy various metals adons present\*

COPY TO/DATE BL MCHD / RM AGO 12/6/88 & Hw compl. ADEQREFERRED TO/DATE Butard Lamb MCHD/Ai. Qual 258-6381 12/6/88

12/87

A2T050010362 GEN 1 1980



# Available Metals Refining CORPORATION

REFINERS OF PRECIOUS METALS

734 East Southern Pacific Drive  
Phoenix, Arizona, U.S.A. 85034  
(602) 252-6146



## INCINERATOR DESCRIPTION

Eight feet long, eight feet high, five and one half feet wide. The stack is mounted on top of the incinerator. From the ground to the top of the stack, it is thirty-eight feet. There is a screen guard on the top of the stack. The incinerator is a Federal Ent. Natural Draft Type. The burn chamber is operated by a 750,000 B.T.U. burner made by Eclipse Fule Engineering Co. This chamber when in peak-operation will be from 1000° to 1400° farenheit.

The after burn chamber is operated by a one million B.T.U. burner to maintain at a minimum of 1500° farenheit so that any smoke particulate is burnt and disposed of in this chamber and not put out in the atmosphere. Both burners and incinerator have all the saftey devices for emergency shutdown.

Power to both burners is 110.

Fuel used is natural gas supplied by A.P.S.

Material incinerated is printed circuit boards and miscellaneous electronic components. There are no chemicals or any chemical residue ever put into the incinerator that would cause any environmental hazard. The operator is required by A.M.R.C. to wear eye protection and an approved resperator, gloves and if necessary a face shield and hard hat.

Next is the curcible-melting furnace which is inline. The burner is a 250,000 B.T.U. Eclipse. The melting pot is a number 51 cast iron. The curcible furnace is equiped with a ten inch draft tunnel to pull any small particulate to the afterburn chamber of the number 1 furnace to be disposed of.

The burnt material now is taken to our ballmill where it is crushed and then sifted with a shaker to make two different materials, 40 mesh and oversize. Now we have gone as far as we can with this material. We now package it in drums and it is sold to various smelters in the U.S.A.

# PERMIT APPLICATION

\*\*\*\*\*  
 \* MARICOPA COUNTY DEPARTMENT OF HEALTH SERVICES \*  
 \* ENVIRONMENTAL SERVICES \*  
 \* P. O. Box 2111 \*  
 \* PHOENIX, AZ 85001 \*  
 \* BUREAU OF AIR POLLUTION CONTROL 258-6381 \*  
 \* \*\*\*\*\*

80748 228 80360.00 PM 8 AM

08

~~U S METALS REFINISHING CORP~~ INCINERATOR  
 AVAILABLE METALS REFINING FUEL BURNING-IND  
 734 E SOUTHERN PACIFIC OTHER  
 PHOENIX AZ 85034

734 E SOUTHERN PACIFIC PX

Your ANNUAL OPERATING permit NO. A8601343 expires on 30-Mar-1986  
 Please check the information shown above, enter any changes in the space  
 allocated, sign this application and return it to the above address with  
 payment in the amount of \$360.00 .

This application, properly executed and accompanied by the correct fee  
 (\$360.00 ), must be received by 4-30-86 . There is a penalty for late  
 payment of fees, and you will be subject to legal action if this application  
 and proper fees are not received by the date due.

=====

Enter Corrections (if any) Below

=====

Owner Name: Same

Business Name: AMR INDUSTRIES, INC.

Street: Same

City: Same State:     Zip:    

Business Phone: Same Home Phone:    

I/We assume complete responsibility for the business to be conducted at the  
 premises for which I/We are making application for an operating permit.  
 I/We certify that the said business at the premises will be operated in full  
 compliance with all applicable environmental regulations duly adopted and all  
 other Local, County and State Rules, Ordinances and Regulations pertaining  
 thereto. I/We understand that I/We are responsible for knowing the contents  
 of the applicable regulations as they pertain to said business.  
 COPY OF APPLICABLE REGULATIONS AVAILABLE AT ENVIRONMENTAL SERVICES OFFICE AT  
 1845 E ROOSEVELT, PHOENIX

SIGN APPLICATION HERE [Signature] DATE 4/23/86

NOTE: Due to computerization you will no longer receive multiple  
 applications/permits. Upon our receipt of this single  
 application form we will issue one Annual Permit covering  
 your entire facility.

## ANNUAL OPERATING PERMIT PROFILE

EXISTING

Permit Number: P1184

NEW

PERMIT NUMBER: 5601543BUSINESS NAME: AVAILABLE METALS REFININGSTREET: 734 E SOUTHERN PACIFICCITY: PHX PHONE: 252-6146

SITE LOCATION: \_\_\_\_\_

OWNER NAME: U.S. METALS REFINING CORPSTREET: 734 E SOUTHERN PACIFICCITY: PHOENIX STATE: AZ ZIP: 85034PHONE: 602-252-6146 EXPIRATION DATE: 03/30/86CDS: N PERMIT UNIT NAME: J SOURCE CATEGORY: LIN FFI 133 133RESP: 08 PERMIT FEE: 360.00 INSPECTION DATE: 03/28/86☒ RENEWAL/EXISTING☐ NEW/CHANGE OWNER☐ INSTALLATION

:PAAP

:PNAP

:PIAP (Expires in 2 Yrs)

SOURCE CATEGORY

AG : "AGUILA"  
 AH : "AHWATUKEE"  
 AJ : "APACHE JUNCTION"  
 AR : "ARLINGTON"  
 AV : "AVONDALE"  
 BE : "BEARDSLEY"  
 BU : "BUCKEYE"  
 CA : "CASHION"  
 CF : "CAREFREE"  
 CC : "CAVE CREEK"  
 CH : "CHANDLER"  
 CT : "CHANDLER HEIGHTS"  
 CI : "CIRCLE CITY"  
 EM : "EL MIRAGE"  
 FH : "FOUNTAIN HILLS"  
 FP : "FOREPAUGH"  
 GB : "GILA BEND"  
 GI : "GILBERT"  
 GL : "GLENDALE"  
 GO : "GOODYEAR"  
 GU : "GUADALUPE"  
 HA : "HARQUAHALA"  
 HG : "HIGLEY"  
 HY : "HYDER"  
 KC : "KANSAS CITY"  
 LA : "LAVEEN"  
 LI : "LIBERTY"  
 LP : "LITCHFIELD PARK"

MC : "MARICOPA COUNTY"  
 ME : "MESA"  
 MB : "MOBILE"  
 MO : "MORRISTOWN"  
 NR : "NEW RIVER"  
 PA : "PALO VERDE"  
 PO : "PALOMA"  
 PV : "PARADISE VALLEY"  
 PE : "PEORIA"  
 PX : "PHOENIX"  
 QC : "QUEEN CREEK"  
 RV : "RIO VERDE"  
 SC : "SCOTTSDALE"  
 SE : "SENTINEL"  
 SU : "SUN CITY"  
 SW : "SUN CITY WEST"  
 SL : "SUN LAKES"  
 SF : "SUNFLOWER"  
 SR : "SURPRISE"  
 TE : "TEMPE"  
 TF : "TORTILLA FLAT"  
 TO : "TOLLESON"  
 TN : "TONOPAH"  
 WA : "WADDELL"  
 WH : "WHITE TANKS"  
 WI : "WICKENBURG"  
 WN : "WINTERSBURG"  
 WT : "WITTMAN"  
 YO : "YOUNGTOWN"

AB: "ABRASIVE BLASTING"  
 AS: "AND ADDL SOURCES"  
 AP: "ASPHALT PLANT"  
 CB: "CONCRETE BATCH"  
 CG: "COTTON GIN"  
 CR: "CREMATORY"  
 DG: "DEGREASER"  
 DC: "DRY CLEANER"  
 FM: "FEED MILL"  
 FN: "FOUNDRY"  
 FC: "FUEL BURNING-COMM"  
 FI: "FUEL BURNING-IND"  
 GN: "GAS-NON RESALE"  
 GR: "GAS-RESALE"  
 GE: "GENERATOR"  
 IN: "INCINERATOR"  
 IT: "INSTALLATION"  
 LN: "LAUNDRY"  
 MS: "MULTIPLE SOURCES"  
 ZZ: "OTHER"  
 OV: "OVEN"  
 PB: "PAINTING"  
 PL: "PLATING"  
 PP: "POWER PLANT"  
 PR: "PRINTING"  
 SG: "SAND/GRAVEL/CRUSHING"  
 SC: "SEMI-CONDUCTOR"  
 TK: "TAR KETTLE"  
 WW: "WOOD WORKING"

PERMIT UNIT NAME

A: "FUEL BURNING"  
 B: "INSTALLATION"  
 C: "KVA"  
 D: "MISCELLANEOUS"  
 E: "PETROLEUM STORAGE"  
 F: "PROCESS EQUIPMENT"  
 H: "REFUSE BURNING"  
 I: "TANK TRUCK CERT."  
 J: "MULTIPLE UNITS"  
 K: "NEW FUEL BURNING"  
 L: "NEW KVA"  
 M: "NEW MISC."  
 N: "NEW PETROL STORE"  
 O: "NEW PROCESS EQPT"  
 P: "NEW REFUSE BURN"  
 Q: "NEW MULTI UNITS"

LEGEND

DESCRIPTION	AREA, SQ. FT.
(1) Insecticide plant	4,800
(2) Carports	
(3) Insecticide plant warehouse	3,400
(4) Fertilizer plant	7,500
(5) Bag fertilizer warehouse	4,500
(6) Covered storage	900
(7) Bag warehouse	1,800
(8) Warehouse	5,000
(9) Lean-to	2,500
(10) Covered storage	2,500
(11) Repair shed and office	1,600
(12) Cortez warehouse	7,000
(13) Cortez office	3,750
(14) Locker room	1,000
(15) Storage shed	3,150
(16) Office - dining room	1,800
(17) Main office building	4,200
(18) I. B. M. room	525

SUMMARY:

	AREA, SQ. FT.
Warehouse	26,500
Refrigerated warehouse	1,800
Bulk bins	4,500
Covered storage	11,050
Office and laboratory	10,275
	54,125

Land under lease is approximately 3.8 acres.  
Land available for lease to east is approximately 1.5 acres.  
Useable railroad siding is 420 feet.  
Road frontage is 568 feet.

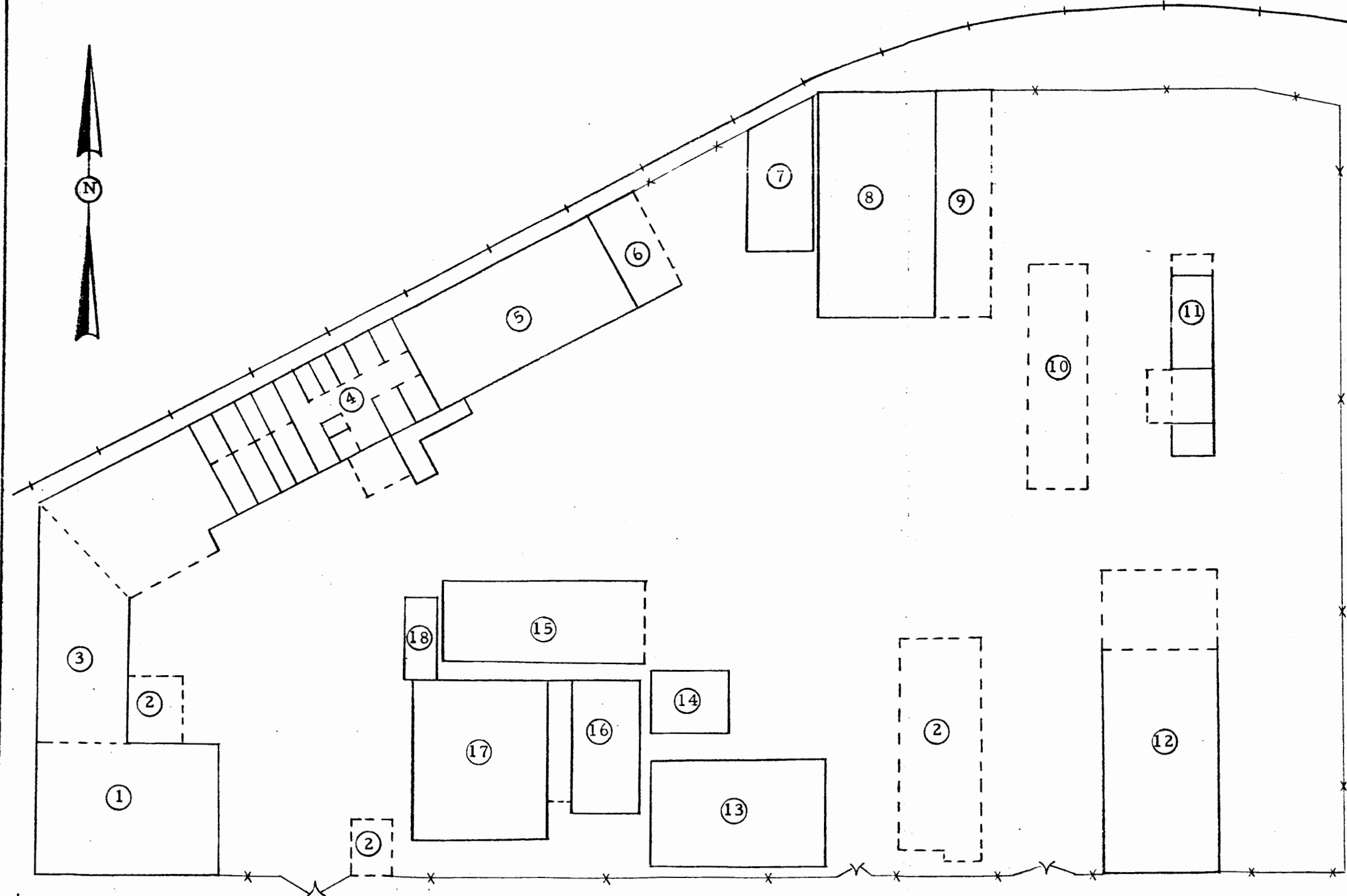
PHOENIX PLANT PLOT PLAN

ARIZONA AGROCHEMICAL CORPORATION  
P. O. Box 2191 Phoenix, Arizona

Scale: 1" = 50'

January 18, 1966

T. R. Winkle



DATE 2-2-83

TIME 2:00 PM

CALL TAKEN BY SKJ

CONTACT NAME DENNIS SILVERS, PRESIDENT PHONE NO. 257-2243

REPRESENTING AVAILABLE METALS CORP., PHX.

ADDRESS 734 E. SOUTHERN PACIFIC DRIVE

SUBJECT APPLICABILITY TO RCRA; DETERMINATION IF REGULATED.

CONVERSATION EPA CONTRACTORS PREVIOUSLY INSPECTED, FOUND FACILITY TO BE RCRA EXEMPT DUE TO PROCESSING OF (GOLD) PREVIOUS METAL RECOVERY. ACTIVITIES INVOLVE GOLD PLATING, RECOVERY, & REFINERY. NO OTHER PROCESSES AT FACILITY. NO OTHER HAZARDOUS WASTES PRODUCED/GENERATED.

FOOT LISTED WASTE NOT APPLICABLE AS PER EXCEPTION IN LISTING UNDER 261.31 TABLE (OLD REG'S). EPA'S REG'S HAVE CHANGED TO DELETE THIS EXCEPTION & TO ADD SPECIFIC REGULATIONS IN PART 266. UNTIL THE STATE OF ARIZONA PICKS UP THE AMENDED REGULATIONS THIS FACILITY WILL NOT BE REGULATED BY ADHS.

THEREFORE, INSPECTION CANCELED. BILL WILLIAMS SO INFORMED OF INSPECTION CANCELTION AFTER THIS CALL.

DISPOSITION  
FOLLOW-UP

SEND NEW NOTIFICATION FORM TO FACILITY FOR COMPLETION.

REFERRED TO:



12:45 pm to 2 pm 7/2/55  
252-6146 spoke to gentleman

Dennis Silvers President

called at 12:45 pm (lunch)

after call from Kathyline Stanton  
& Sherry Remon

Arnold Silvers - vacation for  
a month

called back 2:45 pm 7/2/55

EPA INSPECTED → EXEMPT

ONLY PRECIOUS (GOLD) METAL

ELECTROPLATING & RECOVERY/REFINING.

NO OTHER ACTIVITIES

Spoke to Bill Wms. immediately afterward  
canceled inspection & write memo to file.  
DO next listed inspection

734 E. Southern Pacific Dr.

S. of Jefferson & RR just east of 7th St.

## AVAILABLE METALS

### - MEMO ADDRESSING NON APPLICABILITY

- GOLD PLATING, RECOVERY, REFINING ONLY
- NO OTHER PROCESSES
- GOLD PROCESS EXEMPT FROM RCRA
- AS PER PHONE CALL 9/2
- PREVIOUS EPA INSPECTION IN FILE.
- FOOT NOT APPLICABLE



DATE 1/2/85

TIME 2pm

CALL TAKEN BY SK7

CONTACT NAME DENNIS SILVERS, PRESIDENT PHONE NO. 257-2243

REPRESENTING AVAILABLE METALS CORP., PHX.

ADDRESS 734 E. SOUTHERN PACIFIC DRIVE

SUBJECT APPLICABILITY TO RCRA; DETERMINATION IF REGULATED.

CONVERSATION EPA <sup>CONTRACTORS</sup> PREVIOUSLY INSPECTED, FOUND FACILITY TO BE RCRA EXEMPT DUE TO PROCESSING OF (GOLD) PRECIOUS METAL RECOVERY. ACTIVITIES INVOLVE GOLD PLATING, RECOVERY, & REFINERY. NO OTHER PROCESSES AT FACILITY. NO OTHER HAZARDOUS WASTES PRODUCED/GENERATED. FOOT NOT APPLICABLE, AS PER EXCEPTION IN LISTING UNDER 261.31 TABLE (OLD REG'S).

THEREFORE, INSPECTION CANCELLED. BILL WILLIAMS SO INFORMED IMMEDIATELY AFTER THIS CALL.

HOWEVER, JAN. 4 1985 <sup>PROPOSED</sup> REGULATION BECAME EFFECTIVE ~~JULY 5, 1985~~ <sup>IMMEDIATELY</sup> AMENDING 261.31 F LISTED WASTES.

DISPOSITION  
FOLLOW-UP

SEND NEW NOTIFICATION FORM TO FACILITY FOR COMPLETION

REFERRED TO:

& MAILING TO EPA.